



Federal Implementation Guideline for Electronic Data Interchange

**ASC X12 003060 Transaction Set 180M
Return Merchandise Authorization and
Notification (Material Returns
Reporting)**

Implementation Convention

NIST

U.S. DEPARTMENT OF COMMERCE
Technology Administration
National Institute of
Standards and Technology

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¹ At Boulder, CO 80303.

² Some elements at Boulder, CO.

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Electronic Commerce Acquisition Program Management Office
Standard Management Committee - Secretariat
National Institute of Standards and Technology
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Reports on Information Technology

The National Institute of Standards and Technology (NIST)'s Information Technology Laboratory (ITL) develops standards and guidelines, provides technical assistance, and conducts research for computers and resources. As part of the overall federal effort to establish a single face to industry for conducting electronic commerce, ITL has been designated as the organization responsible for coordinating the development of Federal Implementation Conventions (ICs) for Electronic Data Interchange (EDI). ICs are defined by functional-area experts who create and select options from standard EDI Transaction Sets to yield the implementations to be used for practical EDI. These ICs are made available to federal agencies and industry by electronic means and this Special Publication Series.

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180 Return Merchandise Authorization and Notification

Functional Group ID=AN

Introduction:

This Draft Standard for Trial Use contains the format and establishes the data contents of the Return Merchandise Authorization and Notification Transaction Set (180) for use within the context of an Electronic Data Interchange (EDI) environment. This transaction set can provide for customary and established business and industry practice relative to the returning of merchandise to the vendor. This transaction set may satisfy request for returns, authorization or disposition of the return, notification of return, or notification of consumer return.

Notes:

- 1. Organizations use this transaction set to report the availability of material to the wholesale distribution system, to report the automatic shipment of material to storage or repair facilities, to request cancellation of previously submitted reports, and to inquire about the status of previously submitted transactions.*
- 2. Use a single occurrence of this transaction set to transmit single or multiple material returns information transactions to one or more Inventory Control Points (ICPs) or Integrated Material Managers (IMMs).*
- 3. A single transaction set may contain a combination of transactions for standard and nonstandard material.*
- 4. Each transaction within a transaction set may report, for a single transaction number, one or more quantities distinguished by one or more characteristics.*
- 5. Users operating under the Defense Logistics Management System (DLMS) must reference the Unit of Issue and Purchase Unit Conversion Table and Accounting Classification Appendix which can be found on the National Institute of Standards and Technology (NIST) World Wide Web site.*

Heading:

	Pos. <u>No.</u>	Seg. <u>ID</u>	<u>Name</u>	Req. <u>Des.</u>	<u>Max.Use</u>	<u>Loop Repeat</u>	<u>Notes and Comments</u>
Must Use	010	ST	Transaction Set Header	M	1		
Must Use	020	BGN	Beginning Segment	M	1		
Not Used	030	RDR	Return Disposition Reason	O	1		
Not Used	040	PRF	Purchase Order Reference	O	1		
Not Used	050	DTM	Date/Time Reference	O	10		
Not Used	060	N9	Reference Identification	O	10		
Not Used	070	PER	Administrative Communications Contact	O	2		
Not Used	080	SAC	Service, Promotion, Allowance, or Charge Information	O	10		
Not Used	085	G38	Claim Payment Information	O	1		
Not Used	090	PKG	Marking, Packaging, Loading	O	5		
Not Used	100	TD1	Carrier Details (Quantity and Weight)	O	10		
Not Used	110	TD5	Carrier Details (Routing Sequence/Transit Time)	O	10		
Not Used	115	NTE	Note/Special Instruction	O	5		

LOOP ID - N1

200

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Must Use	120	N1	Name	O	1
Not Used	130	N2	Additional Name Information	O	2
Not Used	140	N3	Address Information	O	2
Not Used	150	N4	Geographic Location	O	1
Not Used	160	PER	Administrative Communications Contact	O	5
LOOP ID - LM					10
Not Used	170	LM	Code Source Information	O	1
Not Used	180	LQ	Industry Code	M	100

Detail:

	<u>Pos. No.</u>	<u>Seg. ID</u>	<u>Name</u>	<u>Req. Des.</u>	<u>Max.Use</u>	<u>Loop Repeat</u>	<u>Notes and Comments</u>
			LOOP ID - BL1			>1	
Must Use	010	BL1	Baseline Item Data	O	1		n1
Must Use	011	N9	Reference Identification	O	20		
Not Used	020	PID	Product/Item Description	O	5		
Not Used	030	RDR	Return Disposition Reason	O	1		
Not Used	040	SAC	Service, Promotion, Allowance, or Charge Information	O	10		
Not Used	042	AMT	Monetary Amount	O	>1		
Not Used	044	MEA	Measurements	O	>1		
Not Used	046	CRC	Conditions Indicator	O	>1		
Not Used	048	NTE	Note/Special Instruction	O	>1		
Not Used	050	PRF	Purchase Order Reference	O	1		
	051	AT	Financial Accounting	O	>1		
Not Used	052	DTM	Date/Time Reference	O	15		
Not Used	053	DD	Demand Detail	O	100		
Not Used	054	GF	Furnished Goods and Services	O	1		
Not Used	055	TD5	Carrier Details (Routing Sequence/Transit Time)	O	5		
Not Used	056	SDQ	Destination Quantity	O	100		
LOOP ID - LM						10	
Must Use	057	LM	Code Source Information	O	1		
Must Use	058	LQ	Industry Code	M	100		
LOOP ID - N1						200	
Must Use	060	N1	Name	O	1		
Not Used	070	N2	Additional Name Information	O	2		
Not Used	080	N3	Address Information	O	2		
Not Used	090	N4	Geographic Location	O	1		
Not Used	100	PER	Administrative Communications Contact	O	5		
LOOP ID - QTY						>1	
Must Use	110	QTY	Quantity	O	1		
Not Used	120	AMT	Monetary Amount	O	5		
	130	DTM	Date/Time Reference	O	10		
Not Used	140	N1	Name	O	1		n2
LOOP ID - LM						10	
Must Use	150	LM	Code Source Information	O	1		
Must Use	160	LQ	Industry Code	M	100		
LOOP ID - LX						>1	

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	170	LX	Assigned Number	O	1	n3	
	180	N9	Reference Identification	O	>1		
Not Used	190	DTM	Date/Time Reference	O	10		
	200	N1	Name	O	1	n4	
			LOOP ID - LM			10	
Not Used	210	LM	Code Source Information	O	1		
Not Used	220	LQ	Industry Code	M	100		
Must Use	230	SE	Transaction Set Trailer	M	1		

Transaction Set Notes

1. Quantity is specified either in the BLI segment (BLI03) or in the QTY segment.
2. The N1 segment is used to identify the location of the material specified in the QTY loop.
3. The LX loop conveys serial number, lot number and inventory data.
4. The N1 segment identifies the name of the manufacturer associated with the serial or lot number specified in the LX loop.

Segment: **ST** Transaction Set Header
Position: 010
Loop:
Level: Heading
Usage: Mandatory
Max Use: 1
Purpose: To indicate the start of a transaction set and to assign a control number
Syntax Notes:
Semantic Notes: 1 The transaction set identifier (ST01) used by the translation routines of the interchange partners to select the appropriate transaction set definition (e.g., 810 selects the Invoice Transaction Set).
Comments:

Data Element Summary

	<u>Ref.</u> <u>Des.</u>	<u>Data</u> <u>Element</u>	<u>Name</u>	<u>Attributes</u>
Must Use	ST01	143	Transaction Set Identifier Code Code uniquely identifying a Transaction Set 180 X12.255 Return Merchandise Authorization and Notification	M ID 3/3
Must Use	ST02	329	Transaction Set Control Number Identifying control number that must be unique within the transaction set functional group assigned by the originator for a transaction set <i>A unique number assigned by the originator of the transaction set, or the originator's application program.</i>	M AN 4/9

Segment: **BGN** Beginning Segment
Position: 020
Loop:
Level: Heading
Usage: Mandatory
Max Use: 1
Purpose: To indicate the beginning of a transaction set
Syntax Notes: 1 If BGN05 is present, then BGN04 is required.
Semantic Notes: 1 BGN02 is the transaction set reference number.
 2 BGN03 is the transaction set date.
 3 BGN04 is the transaction set time.
 4 BGN05 is the transaction set time qualifier.
 5 BGN06 is the transaction set reference number of a previously sent transaction affected by the current transaction.

Comments:**Data Element Summary**

	<u>Ref.</u> <u>Des.</u>	<u>Data</u> <u>Element</u>	<u>Name</u>	<u>Attributes</u>
Must Use	BGN01	353	Transaction Set Purpose Code Code identifying purpose of transaction set 00 Original 77 Simulation Exercise <i>Use to identify a simulated mobilization exercise transaction set. Activities initiating simulated mobilization exercises must ensure complete coordination with all activities involved. All transaction set recipients must use extreme caution to ensure that individual transactions do not process as action documents which affect accountable records.</i>	M ID 2/2
Must Use	BGN02	127	Reference Identification Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier <i>Use Code "Z" for this data element to satisfy mandatory X12 syntax requirements.</i>	M AN 1/30
Must Use	BGN03	373	Date Date (YYMMDD) <i>This date corresponds to the Universal Time Coordinate (UTC).</i>	M DT 6/6
Must Use	BGN04	337	Time Time expressed in 24-hour clock time as follows: HHMM, or HHMMSS, or HHMMSSD, or HHMMSSDD, where H = hours (00-23), M = minutes (00-59), S = integer seconds (00-59) and DD = decimal seconds; decimal seconds are expressed as follows: D = tenths (0-9) and DD = hundredths (00-99) <i>1. Express the originating activity's time of transaction set preparation in UTC.</i> <i>2. Express time in a four-position (HHMM) format.</i>	X TM 4/8
Not Used	BGN05	623	Time Code Code identifying the time. In accordance with International Standards Organization standard 8601, time can be specified by a + or - and an indication in hours in relation to Universal Time Coordinate (UTC) time; since + is a restricted character, + and - are substituted by P and M in the codes that follow	O ID 2/2

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Not Used	BGN06	127	Reference Identification Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier	O AN 1/30
Must Use	BGN07	640	Transaction Type Code Code specifying the type of transaction FT Material Returns Notification by a military organization providing shipping information related to the return of material not needed <i>Use to indicate the transaction set contains material returns program transactions.</i>	O ID 2/2
	BGN08	306	Action Code Code indicating type of action <i>Use to indicate that the transaction set contains transactions notifying ICPs/IMMs of automatic shipments, requesting ICP/IMM cancellation of previously submitted reports, or inquiring about the status of previously submitted transactions.</i> C Cancelled <i>Use to indicate a request to cancel a previously submitted report of material availability.</i> RF Returned to Shipper's Facility (Other Than Original Shipping Location) <i>Use to indicate a notification of an automatic return shipment.</i> RS Report Status <i>Use to indicate a request to provide receipt status for material previously reported as shipped.</i> T Status Query <i>Use to indicate an inquiry to the ICP/IMM requesting a reply to a previously submitted report of material availability.</i>	O ID 1/2
Not Used	BGN09	786	Security Level Code Code indicating the level of confidentiality assigned by the sender to the information following	O ID 2/2

Segment: **N1** Name
Position: 120
Loop: N1 Optional (Must Use)
Level: Heading
Usage: Optional (Must Use)
Max Use: 1
Purpose: To identify a party by type of organization, name, and code
Syntax Notes: 1 At least one of N102 or N103 is required.
 2 If either N103 or N104 is present, then the other is required.
Semantic Notes:
Comments: 1 This segment, used alone, provides the most efficient method of providing organizational identification. To obtain this efficiency the "ID Code" (N104) must provide a key to the table maintained by the transaction processing party.
 2 N105 and N106 further define the type of entity in N101.
Notes: *Must use this 1/N1/120 loop to identify the organization originating the transaction set.*

Data Element Summary

	Ref.	Data	Name	Attributes
	<u>Des.</u>	<u>Element</u>		
Must Use	N101	98	Entity Identifier Code Code identifying an organizational entity, a physical location, or an individual 41 Submitter Entity transmitting transaction set	M ID 2/2
Not Used	N102	93	Name Free-form name	X AN 1/35
Must Use	N103	66	Identification Code Qualifier Code designating the system/method of code structure used for Identification Code (67) 1 D-U-N-S Number, Dun & Bradstreet 9 D-U-N-S+4, D-U-N-S Number with Four Character Suffix 10 Department of Defense Activity Address Code (DODAAC) A2 Military Assistance Program Address Code (MAPAC) Contained in the Military Assistance Program Address Directory (MAPAD); represents the location of an entity <i>Use to indicate the Security Assistance (SA) structured address data which identifies the submitter. Interpretation of this data may require additional codes cited elsewhere in the transaction.</i>	X ID 1/2
			M4 Department of Defense Routing Identifier Code (RIC) An integral and predetermined participant in an established logistical system performing general logistic control, distribution, and storage functions	
Must Use	N104	67	Identification Code Code identifying a party or other code	X AN 2/20
Not Used	N105	706	Entity Relationship Code Code describing entity relationship	O ID 2/2
Must Use	N106	98	Entity Identifier Code Code identifying an organizational entity, a physical location, or an individual FR Message From <i>Must use to indicate that the organization cited in N104 originated the transaction set.</i>	O ID 2/2

Segment:	BLI Baseline Item Data
Position:	010
Loop:	BLI Optional (Must Use)
Level:	Detail
Usage:	Optional (Must Use)
Max Use:	1
Purpose:	To specify basic item data: item identification, quantity, and price
Syntax Notes:	<ol style="list-style-type: none"> 1 If either BLI05 or BLI06 is present, then the other is required. 2 If BLI07 is present, then BLI06 is required. 3 If either BLI08 or BLI09 is present, then the other is required. 4 If either BLI10 or BLI11 is present, then the other is required. 5 If either BLI12 or BLI13 is present, then the other is required.
Semantic Notes:	1 BLI04, the unit of measure code applies to both quantity, (BLI03) and unit price (BLI06), unless BLI07 is present, in which case BLI04 applies only to BLI03, and BLI07 applies only to BLI06.
Comments:	<ol style="list-style-type: none"> 1 Element 235/234 combinations should be interpreted to include products or services. See the Data Element Dictionary for a complete list of IDs. 2 BLI01, BLI02, and BLI08 through BLI13 provide for four different product/service IDs for each item. For example: Case, Color, Drawing No., U.P.C. No., ISBN No., Model, SKU.
Notes:	<i>Must use to identify the material associated with the transaction.</i>

Data Element Summary

Ref.	Data	Name	Attributes
Des.	Element		
Must Use	BLI01	235 Product/Service ID Qualifier	M ID 2/2
		Code identifying the type/source of the descriptive number used in Product/Service ID (234)	
		<i>Use only one of codes A1, A2, A4, FB, FS, FT, MG, or YP to identify the material. Must use the National Stock Number (NSN) when known, except when appropriate brand name subsistence items are identified by the Subsistence Identification Number.</i>	
		A1 Plant Equipment Number	
		Item identifier is a plant equipment number	
		<i>Use to identify plant equipment.</i>	
		A2 Department of Defense Identification Code (DoDIC)	
		Qualifies a code that uniquely identifies a type of explosive or ammunition	
		<i>Use to identify ammunition items.</i>	
		A4 Subsistence Identification Number	
		Item identifier is a brand-name resale subsistence item	
		<i>Use to identify subsistence items.</i>	
		FB Form Number	
		<i>Use to identify the form stock number.</i>	
		FS National Stock Number	
		MG Manufacturer's Part Number	
		<i>Use to identify nonstandard material.</i>	
		YP Publication Number	

Use to identify the publication stock number.

Must Use	BLI02	234	Product/Service ID Identifying number for a product or service	M	AN 1/40
Not Used	BLI03	380	Quantity Numeric value of quantity	O	R 1/15
Not Used	BLI04	355	Unit or Basis for Measurement Code Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken	O	ID 2/2
	BLI05	236	Price Identifier Code Code identifying pricing specification	X	ID 3/3

Use to provide the unit price for non-standard material only.

ACT	Actual
	The final negotiated contract price
EST	Estimated Price

	BLI06	212	Unit Price Price per unit of product, service, commodity, etc.	X	R 1/17
Not Used	BLI07	355	Unit or Basis for Measurement Code Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken	O	ID 2/2
	BLI08	235	Product/Service ID Qualifier Code identifying the type/source of the descriptive number used in Product/Service ID (234)	X	ID 2/2
		ZB	Commercial and Government Entity (CAGE) Code A code that identifies a commercial contractor authorized to do business with the U.S. government <i>Use with BLI01 code MG to uniquely identify a manufacturer's part number.</i>		
	BLI09	234	Product/Service ID Identifying number for a product or service	X	AN 1/40
Not Used	BLI10	235	Product/Service ID Qualifier Code identifying the type/source of the descriptive number used in Product/Service ID (234)	X	ID 2/2
Not Used	BLI11	234	Product/Service ID Identifying number for a product or service	X	AN 1/40
Not Used	BLI12	235	Product/Service ID Qualifier Code identifying the type/source of the descriptive number used in Product/Service ID (234)	X	ID 2/2
Not Used	BLI13	234	Product/Service ID Identifying number for a product or service	X	AN 1/40
Not Used	BLI14	1161	Product Option Code Code indicating an option chosen for the product	O	ID 1/2
Not Used	BLI15	1161	Product Option Code Code indicating an option chosen for the product	O	ID 1/2
Not Used	BLI16	1161	Product Option Code Code indicating an option chosen for the product	O	ID 1/2
Not Used	BLI17	1161	Product Option Code Code indicating an option chosen for the product	O	ID 1/2
Not Used	BLI18	594	Frequency Code Code indicating frequency or type of payment	O	ID 1/1

Segment: **N9** **Reference Identification**
Position: 011
Loop: BLI Optional (Must Use)
Level: Detail
Usage: Optional (Must Use)
Max Use: 20
Purpose: To transmit identifying information as specified by the Reference Identification Qualifier
Syntax Notes:

- 1 At least one of N902 or N903 is required.
- 2 If N906 is present, then N905 is required.
- 3 If either C04003 or C04004 is present, then the other is required.
- 4 If either C04005 or C04006 is present, then the other is required.

Semantic Notes:

- 1 N906 reflects the time zone which the time reflects.
- 2 N907 contains data relating to the value cited in N902.

Comments:
Notes:

Data Element Summary

	<u>Ref.</u> <u>Des.</u>	<u>Data</u> <u>Element</u>	<u>Name</u>	<u>Attributes</u>
Must Use	N901	128	Reference Identification Qualifier Code qualifying the Reference Identification TN Transaction Reference Number <i>Must use to identify the transaction number for each transaction.</i>	M ID 2/3
Must Use	N902	127	Reference Identification Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier	X AN 1/30
Not Used	N903	369	Free-form Description Free-form descriptive text	X AN 1/45
Not Used	N904	373	Date Date (YYMMDD)	O DT 6/6
Not Used	N905	337	Time Time expressed in 24-hour clock time as follows: HHMM, or HHMMSS, or HHMMSSD, or HHMMSSDD, where H = hours (00-23), M = minutes (00-59), S = integer seconds (00-59) and DD = decimal seconds; decimal seconds are expressed as follows: D = tenths (0-9) and DD = hundredths (00-99)	X TM 4/8
Not Used	N906	623	Time Code Code identifying the time. In accordance with International Standards Organization standard 8601, time can be specified by a + or - and an indication in hours in relation to Universal Time Coordinate (UTC) time; since + is a restricted character, + and - are substituted by P and M in the codes that follow	O ID 2/2
	N907	C040	Reference Identifier To identify one or more reference numbers or identification numbers as specified by the Reference Qualifier	O
Must Use	C04001	128	Reference Identification Qualifier Code qualifying the Reference Identification W8 Suffix Differentiates between partial actions taken on the original transaction <i>Use with N901 code TN in cancellation requests (BGN08 code C) and inquiries (BGN08 code RS), to identify the transaction number suffix.</i>	M ID 2/3
Must Use	C04002	127	Reference Identification	M AN 1/30

			Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier			
Not Used	C04003	128	Reference Identification Qualifier	X	ID 2/3	
			Code qualifying the Reference Identification			
Not Used	C04004	127	Reference Identification	X	AN 1/30	
			Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier			
Not Used	C04005	128	Reference Identification Qualifier	X	ID 2/3	
			Code qualifying the Reference Identification			
Not Used	C04006	127	Reference Identification	X	AN 1/30	
			Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier			

Segment: **AT** Financial Accounting
Position: 051
Loop: BLI Optional (Must Use)
Level: Detail
Usage: Optional
Max Use: >1
Purpose: To transmit financial accounting data
Syntax Notes: 1 If AT10 is present, then AT01 is required.
Semantic Notes:
Comments: 1 AT09 identifies unique local activity financial accounting information.
Notes: 1. *Use multiple repetitions to identify the fund purpose code, appropriation, and/or fund codes for goods, services, and related adjustments.*
2. *DLMS users see the Accounting Classification Appendix for AT02, AT07 and AT09.*

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes
Must Use	AT01	1271	Industry Code Code indicating a code from a specific industry code list <i>Use any code except "CR" or "DR".</i>	X AN 1/30
	AT02	1282	Treasury Symbol Number Number identifying a department, fiscal year, treasury account number, and appropriation limit for a standard accounting classification coding structure <i>Use to identify the basic appropriation number.</i>	O AN 7/21
	AT03	1283	Budget Activity Number Number identifying an administrative subdivision of funds against which a transaction is to be charged for a standard accounting classification coding structure <i>Use to identify the fund code.</i>	O AN 1/16
Not Used	AT04	1284	Object Class Number Number identifying the nature of the goods or services acquired and a specific office or organization using resources for a standard accounting classification coding structure	O AN 3/12
Not Used	AT05	1285	Reimbursable Source Number Number identifying the source of an appropriation or fund reimbursement for a standard accounting classification coding structure	O AN 1/3
Not Used	AT06	1286	Transaction Reference Number Number identifying an original request for goods and services to the matching financial transaction for a standard accounting classification coding structure	O AN 4/20
	AT07	1287	Accountable Station Number Number identifying an office responsible for entering a financial transaction into the applicable accounting system for a standard accounting classification coding structure <i>Use AT07 to identify the Authorized Accounting Activity (AAA)/Accounting Disbursing Station Number (ADSN)/Fiscal Station Number (FSN).</i>	O AN 3/8
Not Used	AT08	1288	Paying Station Number Number identifying an office responsible for making a payment or collection and the corresponding voucher number under which the action was taken for a standard accounting classification coding structure	O AN 8/14
	AT09	352	Description A free-form description to clarify the related data elements and their content <i>Cite the supplemental accounting classification data.</i>	O AN 1/80
Must Use	AT10	1270	Code List Qualifier Code	O ID 1/3

Code identifying a specific industry code list

FP

Fund Purpose

Segment: **LM** **Code Source Information**
Position: 057
Loop: LM Optional (Must Use)
Level: Detail
Usage: Optional (Must Use)
Max Use: 1
Purpose: To transmit standard code list identification information
Syntax Notes:
Semantic Notes:
Comments: 1 LM02 identifies the applicable industry code list source information.
Notes: *Must use this 2/LM/057 loop to identify coded information maintained in department or agency documentation.*

Data Element Summary

	<u>Ref.</u> <u>Des.</u>	<u>Data</u> <u>Element</u>	<u>Name</u>	<u>Attributes</u>
Must Use	LM01	559	Agency Qualifier Code Code identifying the agency assigning the code values DF Department of Defense (DoD)	M ID 2/2
	LM02	822	Source Subqualifier A reference that indicates the table or text maintained by the Source Qualifier	O AN 1/15

Segment: **LQ** Industry Code
Position: 058
Loop: LM Optional (Must Use)
Level: Detail
Usage: Mandatory
Max Use: 100
Purpose: Code to transmit standard industry codes
Syntax Notes: 1 If LQ01 is present, then LQ02 is required.
Semantic Notes:
Comments:
Notes:

Use to identify codes, as appropriate, consistent with management information requirements.

Data Element Summary

	<u>Ref.</u> <u>Des.</u>	<u>Data</u> <u>Element</u>	<u>Name</u>	<u>Attributes</u>
Must Use	LQ01	1270	Code List Qualifier Code Code identifying a specific industry code list	O ID 1/3
			0 Document Identification Code Codes that subclassify a transaction	
			78 Project Code Codes that relate a transaction to special programs, exercises, projects, operations, or other purposes <i>Use as needed to identify special programs, exercises, projects, operations, and other purposes.</i>	
			79 Priority Designator Code The priority of a transaction <i>Use for notification for automatic returns.</i>	
			80 Advice Code Instructions to transaction recipients when narratives cannot be transmitted	
			87 Subsistence Type of Pack Code A certain level of protection from the packing or outside shipping container for perishable and nonperishable subsistence items <i>Use with subsistence items only.</i>	
			A9 Supplementary Address Identifies the originating organization's unique logistics information	
			DE Signal Code	
			DF Media and Status Code	
	LQ02	1271	Industry Code Code indicating a code from a specific industry code list	X AN 1/30

Segment: **N1** Name
Position: 060
Loop: N1 Optional (Must Use)
Level: Detail
Usage: Optional (Must Use)
Max Use: 1
Purpose: To identify a party by type of organization, name, and code
Syntax Notes: 1 At least one of N102 or N103 is required.
 2 If either N103 or N104 is present, then the other is required.
Semantic Notes:
Comments: 1 This segment, used alone, provides the most efficient method of providing organizational identification. To obtain this efficiency the "ID Code" (N104) must provide a key to the table maintained by the transaction processing party.
 2 N105 and N106 further define the type of entity in N101.
Notes: 1. *Must use one iteration of this 2/N1/060 loop to identify the organization to receive the transaction.*
 2. *Use additional iterations to identify other organizations associated with the transaction.*

Data Element Summary

Ref.	Data			
Des.	Element	Name	Attributes	
Must Use	N101	98	Entity Identifier Code	M ID 2/2
			Code identifying an organizational entity, a physical location, or an individual	
		CN	Consignee	
			<i>Use in automatic shipment notifications to identify the consignee for the returned material.</i>	
		SF	Ship From	
			<i>Use in material availability reports and automatic shipment notifications to identify the organization from which the material is shipped if different from the organization originating the transaction set.</i>	
		Z1	Party to Receive Status	
			An organization that will receive information about a transaction	
			<i>Use to identify the party to receive status when different from Service/Agency prescribed status recipient. Use multiple iterations to identify all status recipients, as required.</i>	
		Z4	Owning Inventory Control Point	
			An inventory control organization responsible for management of a particular item	
		ZB	Party to Receive Credit	
			The organization to which credit will be granted	
			<i>Use as needed for material availability reports and automatic shipment notifications to identify the organization to receive credit if different from the organization originating the transaction set.</i>	
Not Used	N102	93	Name	X AN 1/35
			Free-form name	

Must Use	N103	66	Identification Code Qualifier Code designating the system/method of code structure used for Identification Code (67)	X	ID 1/2
		1	D-U-N-S Number, Dun & Bradstreet		
		9	D-U-N-S+4, D-U-N-S Number with Four Character Suffix		
		10	Department of Defense Activity Address Code (DODAAC)		
		A2	Military Assistance Program Address Code (MAPAC) Contained in the Military Assistance Program Address Directory (MAPAD); represents the location of an entity <i>Use to indicate the SA structured address data which identifies the ship-from address. Interpretation of this data may require additional codes cited elsewhere in the transaction.</i>		
		M4	Department of Defense Routing Identifier Code (RIC) An integral and predetermined participant in an established logistical system performing general logistic control, distribution, and storage functions		
Must Use	N104	67	Identification Code Code identifying a party or other code	X	AN 2/20
Not Used	N105	706	Entity Relationship Code Code describing entity relationship	O	ID 2/2
	N106	98	Entity Identifier Code Code identifying an organizational entity, a physical location, or an individual	O	ID 2/2
		TO	Message To <i>Must use with the appropriate 2/N101/060 code to indicate the organization cited in N104 is receiving the transaction.</i>		

Segment: QTY Quantity
Position: 110
Loop: QTY Optional (Must Use)
Level: Detail
Usage: Optional (Must Use)
Max Use: 1
Purpose: To specify quantity information
Syntax Notes:
Semantic Notes:
Comments:
Notes:

Use multiple iterations of the 2/QTY/110 loop to stratify quantities associated with the transaction by supply condition code.

Data Element Summary

	<u>Ref.</u>	<u>Data</u>	<u>Name</u>	<u>Attributes</u>
	<u>Des.</u>	<u>Element</u>		
Must Use	QTY01	673	Quantity Qualifier	M ID 2/2
			Code specifying the type of quantity	
			01 Discrete Quantity	
			<i>Use in requests for cancellation to identify the quantity from the original report of material availability which is no longer available.</i>	
			28 Quantity Available for Return	
			<i>Use in reports of material availability.</i>	
			38 Original Quantity	
			<i>Use in inquiries requesting a reply to a previously submitted report to identify the quantity of the original report.</i>	
			39 Shipped Quantity	
			<i>Use in notifications of automatic shipment.</i>	
			AA Unacknowledged Quantity	
			Message received without network, or attendant recognition	
			<i>Use in receipt acknowledgment inquiries to identify the quantity shipped.</i>	
Must Use	QTY02	380	Quantity	M R 1/15
			Numeric value of quantity	
			<i>Express the quantity as a whole number with no decimal.</i>	
	QTY03	C001	Composite Unit of Measure	O
			To identify a composite unit of measure (See Figures Appendix for examples of use)	
Must Use	C00101	355	Unit or Basis for Measurement Code	M ID 2/2
			Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken	
			<i>Use to identify the unit of issue. DLMS users see the Unit of Issue and Purchase Unit Conversion Table for available codes.</i>	
Not Used	C00102	1018	Exponent	O R 1/15
			Power to which a unit is raised	

Not Used	C00103	649	Multiplier Value to be used as a multiplier to obtain a new value	O R 1/10
Not Used	C00104	355	Unit or Basis for Measurement Code Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken	O ID 2/2
Not Used	C00105	1018	Exponent Power to which a unit is raised	O R 1/15
Not Used	C00106	649	Multiplier Value to be used as a multiplier to obtain a new value	O R 1/10
Not Used	C00107	355	Unit or Basis for Measurement Code Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken	O ID 2/2
Not Used	C00108	1018	Exponent Power to which a unit is raised	O R 1/15
Not Used	C00109	649	Multiplier Value to be used as a multiplier to obtain a new value	O R 1/10
Not Used	C00110	355	Unit or Basis for Measurement Code Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken	O ID 2/2
Not Used	C00111	1018	Exponent Power to which a unit is raised	O R 1/15
Not Used	C00112	649	Multiplier Value to be used as a multiplier to obtain a new value	O R 1/10
Not Used	C00113	355	Unit or Basis for Measurement Code Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken	O ID 2/2
Not Used	C00114	1018	Exponent Power to which a unit is raised	O R 1/15
Not Used	C00115	649	Multiplier Value to be used as a multiplier to obtain a new value	O R 1/10

Segment: **DTM** Date/Time Reference
Position: 130
Loop: QTY Optional (Must Use)
Level: Detail
Usage: Optional
Max Use: 10
Purpose: To specify pertinent dates and times
Syntax Notes: 1 At least one of DTM02 DTM03 or DTM06 is required.
 2 If either DTM06 or DTM07 is present, then the other is required.
Semantic Notes:
Comments:
Notes: *Use multiple repetitions to identify dates associated with the material.*

Data Element Summary

	<u>Ref.</u> <u>Des.</u>	<u>Data</u> <u>Element</u>	<u>Name</u>	<u>Attributes</u>
Must Use	DTM01	374	Date/Time Qualifier Code specifying type of date or time, or both date and time 036 Expiration Date coverage expires <i>Use for subsistence items only.</i> 510 Date Packed <i>Use for subsistence items only.</i>	M ID 3/3
Must Use	DTM02	373	Date Date (YYMMDD)	X DT 6/6
Not Used	DTM03	337	Time Time expressed in 24-hour clock time as follows: HHMM, or HHMMSS, or HHMMSSD, or HHMMSSDD, where H = hours (00-23), M = minutes (00-59), S = integer seconds (00-59) and DD = decimal seconds; decimal seconds are expressed as follows: D = tenths (0-9) and DD = hundredths (00-99)	X TM 4/8
Not Used	DTM04	623	Time Code Code identifying the time. In accordance with International Standards Organization standard 8601, time can be specified by a + or - and an indication in hours in relation to Universal Time Coordinate (UTC) time; since + is a restricted character, + and - are substituted by P and M in the codes that follow	O ID 2/2
	DTM05	624	Century The first two characters in the designation of the year (CCYY)	O N0 2/2
Not Used	DTM06	1250	Date Time Period Format Qualifier Code indicating the date format, time format, or date and time format	X ID 2/3
Not Used	DTM07	1251	Date Time Period Expression of a date, a time, or range of dates, times or dates and times	X AN 1/35

Segment: **LM** **Code Source Information**
Position: 150
Loop: LM Optional (Must Use)
Level: Detail
Usage: Optional (Must Use)
Max Use: 1
Purpose: To transmit standard code list identification information
Syntax Notes:
Semantic Notes:
Comments: 1 LM02 identifies the applicable industry code list source information.
Notes: *Use the 2/LM/150 loop to identify the supply condition of the material.*

Data Element Summary

	<u>Ref.</u> <u>Des.</u>	<u>Data</u> <u>Element</u>	<u>Name</u>	<u>Attributes</u>
Must Use	LM01	559	Agency Qualifier Code Code identifying the agency assigning the code values DF Department of Defense (DoD)	M ID 2/2
Not Used	LM02	822	Source Subqualifier A reference that indicates the table or text maintained by the Source Qualifier	O AN 1/15

Segment: **LQ** Industry Code
Position: 160
Loop: LM Optional (Must Use)
Level: Detail
Usage: Mandatory
Max Use: 100
Purpose: Code to transmit standard industry codes
Syntax Notes: 1 If LQ01 is present, then LQ02 is required.
Semantic Notes:
Comments:
Notes: *Use to identify codes, as appropriate, consistent with management information requirements.*

Data Element Summary

	<u>Ref.</u> <u>Des.</u>	<u>Data</u> <u>Element</u>	<u>Name</u>	<u>Attributes</u>
Must Use	LQ01	1270	Code List Qualifier Code Code identifying a specific industry code list 83 Supply Condition Code Classifies material by readiness for issue and use, describes actions underway to change the status of material, or identifies material as excess or not serviceable	O ID 1/3
Must Use	LQ02	1271	Industry Code Code indicating a code from a specific industry code list	X AN 1/30

Segment: **LX** Assigned Number
Position: 170
Loop: LX Optional
Level: Detail
Usage: Optional
Max Use: 1
Purpose: To reference a line number in a transaction set
Syntax Notes:
Semantic Notes:
Comments:
Notes:

- 1. Use as a counter for reports of material availability and notifications of automatic shipment to identify the number of 2/LX/170 loop iterations.*
- 2. Use the 2/LX/170 loop to provide unique item tracking (UIT) information for controlled material.*

Data Element Summary

Ref.	Data	Name	Attributes
Des.	Element		
Must Use	LX01	554 Assigned Number	M N0 i/6
		Number assigned for differentiation within a transaction set	
		<i>In the first 2/LX/170 loop iteration, cite numeric 1. In each subsequent loop iteration, increase incrementally by 1.</i>	

Segment: **N9** **Reference Identification**

Position: 180

Loop: LX Optional

Level: Detail

Usage: Optional

Max Use: >1

Purpose: To transmit identifying information as specified by the Reference Identification Qualifier

Syntax Notes:

- 1 At least one of N902 or N903 is required.
- 2 If N906 is present, then N905 is required.
- 3 If either C04003 or C04004 is present, then the other is required.
- 4 If either C04005 or C04006 is present, then the other is required.

Semantic Notes:

- 1 N906 reflects the time zone which the time reflects.
- 2 N907 contains data relating to the value cited in N902.

Comments:

Notes: *Use multiple repetitions to identify a unique item identifier (UII), batch, or lot number.*

Data Element Summary

	<u>Ref.</u> <u>Des.</u>	<u>Data</u> <u>Element</u>	<u>Name</u>	<u>Attributes</u>
Must Use	N901	128	Reference Identification Qualifier Code qualifying the Reference Identification	M ID 2/3
			BT Batch Number <i>Use to identify the manufacturer's batch number or other number identifying the production run.</i>	
			LT Lot Number <i>Use to identify the manufacturer's lot number.</i>	
			SE Serial Number <i>Use to identify a UII.</i>	
Must Use	N902	127	Reference Identification Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier	X AN 1/30
Not Used	N903	369	Free-form Description Free-form descriptive text	X AN 1/45
Not Used	N904	373	Date Date (YYMMDD)	O DT 6/6
Not Used	N905	337	Time Time expressed in 24-hour clock time as follows: HHMM, or HHMMSS, or HHMMSSD, or HHMMSSDD, where H = hours (00-23), M = minutes (00-59), S = integer seconds (00-59) and DD = decimal seconds; decimal seconds are expressed as follows: D = tenths (0-9) and DD = hundredths (00-99)	X TM 4/8
Not Used	N906	623	Time Code Code identifying the time. In accordance with International Standards Organization standard 8601, time can be specified by a + or - and an indication in hours in relation to Universal Time Coordinate (UTC) time; since + is a restricted character, + and - are substituted by P and M in the codes that follow	O ID 2/2
Not Used	N907	C040	Reference Identifier To identify one or more reference numbers or identification numbers as specified by the Reference Qualifier	O
Not Used	C04001	128	Reference Identification Qualifier Code qualifying the Reference Identification	M ID 2/3
Not Used	C04002	127	Reference Identification Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier	M AN 1/30

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Not Used	C04003	128	Reference Identification Qualifier Code qualifying the Reference Identification	X	ID 2/3
Not Used	C04004	127	Reference Identification Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier	X	AN 1/30
Not Used	C04005	128	Reference Identification Qualifier Code qualifying the Reference Identification	X	ID 2/3
Not Used	C04006	127	Reference Identification Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier	X	AN 1/30

Segment: **N1** Name
Position: 200
Loop: LX Optional
Level: Detail
Usage: Optional
Max Use: 1
Purpose: To identify a party by type of organization, name, and code
Syntax Notes: 1 At least one of N102 or N103 is required.
2 If either N103 or N104 is present, then the other is required.
Semantic Notes:
Comments: 1 This segment, used alone, provides the most efficient method of providing organizational identification. To obtain this efficiency the "ID Code" (N104) must provide a key to the table maintained by the transaction processing party.
2 N105 and N106 further define the type of entity in N101.
Notes: *Use to identify the manufacturer of the UIT item.*

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes
Must Use	N101	98	Entity Identifier Code Code identifying an organizational entity, a physical location, or an individual MF Manufacturer of Goods	M ID 2/2
Not Used	N102	93	Name Free-form name	X AN 1/35
Must Use	N103	66	Identification Code Qualifier Code designating the system/method of code structure used for Identification Code (67) 33 Commercial and Government Entity (CAGE)	X ID 1/2
Must Use	N104	67	Identification Code Code identifying a party or other code	X AN 2/20
Not Used	N105	706	Entity Relationship Code Code describing entity relationship	O ID 2/2
Not Used	N106	98	Entity Identifier Code Code identifying an organizational entity, a physical location, or an individual	O ID 2/2

Segment: **SE** Transaction Set Trailer
Position: 230
Loop:
Level: Detail
Usage: Mandatory
Max Use: 1
Purpose: To indicate the end of the transaction set and provide the count of the transmitted segments (including the beginning (ST) and ending (SE) segments)
Syntax Notes:
Semantic Notes:
Comments: 1 SE is the last segment of each transaction set.

Data Element Summary

	<u>Ref.</u> <u>Des.</u>	<u>Data</u> <u>Element</u>	<u>Name</u>	<u>Attributes</u>
Must Use	SE01	96	Number of Included Segments Total number of segments included in a transaction set including ST and SE segments	M N0 1/10
Must Use	SE02	329	Transaction Set Control Number Identifying control number that must be unique within the transaction set functional group assigned by the originator for a transaction set <i>Cite the same number as the one cited in ST02.</i>	M AN 4/9

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